QH
76
M94
SI-Ref.

M U D P I E, no. 2

Museum and University Data, Program, and Information Exchange

AVAILABLE PROGRAMS--GENERAL

A MUDPIE recipient has remarked that we should stress the large number of library programs already available from the various commercial time-share firms. It is, of course, quite true that each contractor furnishes a collection of programs that will fit practically every kind of general need, but it is assumed that all time-share users are already aware of this library availability. It would seem unethical for a user to make programs from the library of his contractor available to other users with a different contractor, without direct permission. We shall, therefore, list no programs in MUDPIE that have been taken directly from the general library of a contracting firm. We are solely interested here in programs written by museum or university scientists for use in research, and will limit submissions to these. Since several time-share firms can accept ALGOL and FORTRAN as well as BASIC, programs written in these languages for specific use in our work are welcome for listing. At the present time no one receiving MUDPIES is using QUIKTRAN, so we will not include such programs.

EDP-IR SYSTEMATICS PROJECT INDEX

Theodore J. Crovello, Department of Biology, University of Notre Dame, Notre Dame, Indiana, 46556, and Robert D. MacDonald, University of Tennessee Arboretum, 794 Bethel Valley Road, Oak Ridge, Tennessee, 37830, are jointly preparing a list of projects in systematics that use any kind of electronic data processing for information retrieval. They say "the type of information being retrieved may be anything of value to systematics." After compiling the list, they expect to publish it in TAXON, the journal devoted to systematic botany. Anyone who has a project appropriate to their index is invited to submit it for inclusion, and a list of the details needed will be sent upon request to either of the participants.

AVAILABLE PROGRAMS--BASIC

7. STATAN--Calculates Student 'T' as well as other statistical information [Axtell, Southern Illinois University].

8. CLUSTR--A program for cluster analysis, operating in four phases: computation of similarities, formation of OTU clusters, computation of cophenetic values, and construction of a dendrogram. Written by Henry Feldman. [Peters, Smithsonian Institution].

SMITHSONIAN
1968
LIBRARIES

THE "BASIC" LANGUAGE

One of the recipients of MUDPIE has asked about the language "BASIC," since it is not used at the computer center of his university. This language was developed by Dartmouth College under an NSF grant. The work, done by John Kemeny and Thomas Kurtz, involved creation of a compiler for the BASIC language and the executive routines for a GE-235--Datanet 30 computer system. The primary value of BASIC is that it is a user-oriented language, very simple and easy to learn. It permits the scientist to carry on a direct conversation with the computer, and eliminates the need for an intermediate programmer. Dartmouth has a copyrighted manual for the language, written by the men mentioned above, and (I presume) available directly from the College. All of the commercial time-share firms furnish manuals to their users, however, usually somewhat re-written for the specific purposes and needs.

TELEPHONE NUMBERS FOR EXISTING INSTALLATIONS

Academy of Natural Sciences, Philadelphia TELETYPE: (215) 569-8609.

Southern Illinois University, Edwardsville [not Carbondale, as in MUDPIE no. 1]--contact R. Axtell, on Department telephone: (618) 692-3928.

Wellesley College, Wellesley, Massachusetts 02181
Contact C. R. Shoop, on Department telephone: (617) 235-0320, ext. 469.

NEW INSTALLATIONS

Los Angeles County Museum, Exposition Park, Los Angeles, California [no numbers available as yet].

ADDITIONAL TELETYPE SERVICES

The John Crerar Library, 35 West 33rd Street, Chicago, Illinois, 60616, has a teletype service for rapid turn-around on orders for photoduplication from over 7500 periodicals. A list of prices and services available can be obtained from the address above, or presumably at their teletype number: (312) 431-1758.

Smithsonian Institution
October 20, 1967